BIRCH, STEWART, KOLASCH & BIRCH, LLP

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING

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COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

	piurai niventors are nam	ea below) of the subject	matter which is cl	timed and for which a patent is sought or	n the invention en	titled:			
nsert Title:	LOOP THERMOSYPHON, STIRLING REFRIGERATOR AND COOLING APPARATUS								
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fill in Appropriate	above and/or the follow:	ng:		, the application is identified by the atto		ber as set fort			
or Use Without	The specification w United States Appli	as filed on				as			
pecification	and amended on _	cadoli i valitbei			(if applies b	ز			
Attached:	and amended on the specification was filed on <u>August 12, 2004</u> International Application Number <u>PCT/JP2004/011600</u>					as PCT			
	International Application Number PCT/JP2004/011600 amended on					; and was			
	anienueu on	(if a	pplicable)						
	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.								
	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.								
	I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application field by me or my legal representative or assigns more than twelve months (si months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in an country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:								
nsert Priority	Prior Foreign Application	n(s)			Priority	Claimed			
nformation:	2003-309708(P)	Innan		0.4.1.0.000	_	_			
if appropriate)	(Number)	Japan (Country)		September 2, 2003 (Month/Day/Year Filed)	⊠ Yes	□ No			
	2004-020679(P)	Japan		<u>January 29, 2</u> 004					
	(Number)	(Country)		(Month/Day/Year Filed)	Yes	No			
	(Number)	(Country)		(Month/Day/Year Filed)	Yes	No			
	(Number)	(Country)		(Month/Day/Year Filed)	Yes	No			
	I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.								
nsert Provisional						·			
pplication(s): f any)	(Application Number)			(Filing Date)					
	(Application Number)			(Filing Date)					
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:								
nsert Requested nformation: f appropriate)	Country	Appli	cation Number	Date of Filing (Month	/Day/Year)				
	I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s), including for continuation-in-part application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed if the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.5 which became available between the filing date of the prior application and the national or PCT international filing date of this application.								
sert Prior U.S. pplication(s): fany)	(Application Number)	(Filing	g Date)	(Status - patented, per	nding, abandoned)	<u> </u>			
age 1 of 2 Rev. 05/2004)	(Application Number)	(Filing	g Date)	(Status - patented, per	nding, abandoned)	<u> </u>			

0033-1054PUS1

I hereby appoint the practitioners at CUSTOMER NO. 02292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

CUSTOMER NO. 02292 (BIRCH, STEWART, KOLASCH & BIRCH, LLP)

Telephone: (703) 205-8000

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PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

rull Name of First or Sale Inventor: Insert Name of	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
or Stee Inventor. insert Name of Inventor → Inventor → insert Date This Document is Signed	Wei CHEN	Wei Chen		February 14,				
Insert Residence	Residence (City, State & Country)		CITIZENSHI	L				
Insert Citizenship →	Nara-shi, Nara, Japan	Chinese						
Insert Post Office Address →	MAILING ADDRESS (Complete Street Address including City, State & Country)							
	606, Kurearu KITANO, 2-16, Saidaijihonmachi, Nara-shi, Nara 631-0816 Japan							
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Full Name of Second Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
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rull Name of Third Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
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ull Name of Fourth Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	in the same of the	DATE+				
see above	,	INVENTORS SIGNATURE		DATE*				
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ull Name of Fifth Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	andre gregoria de la compansión de la comp	DATE*				
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